



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Assignee: Sun Microsystems, Inc.  
Title: A COMPUTER-BASED PRESENTATION MANAGER AND METHOD FOR INDIVIDUAL USER-DEVICE DATA REPRESENTATION  
Serial No.: 09/759,744 Filed: January 12, 2001  
Examiner: Unknown Group Art Unit: 2152  
Docket No.: P-4592

Monterey, CA  
May 9, 2003

CLEAN COPY OF REPLACEMENT CLAIMS

Replace the pending set of claims in the above application with the following set of claims:

1. (Amended) A method for presenting data on a user device comprising:

receiving a request from said user device for said data;

identifying presentation requirements of said user device; and

selecting a presentation scheme for said data from a plurality of presentation schemes in accordance with said presentation requirements wherein upon application of said presentation scheme to said data, new data presentable on said user device is generated.

2. (Amended) The method of Claim 1, further comprising:

applying said presentation scheme to said data to create said new data.

3. The method of Claim 2, wherein said applying said presentation scheme to said data is performed by said user device.

4. (Amended) The method of Claim 2, further comprising:

transmitting said new data to said user device to allow the presentation of said new data on said user device.

5. (Amended) The method of Claim 1, further comprising retrieving said data.

6. (Amended) The method of Claim 5, further comprising:

applying said presentation scheme to said retrieved data to create said new data.

7. (Amended) The method of Claim 1, wherein said request includes a command.

8. (Amended) The method of Claim 7, wherein said command is selected from a group of commands consisting of load, save, article, and channel.

9. (Amended) The method of Claim 7, wherein said command is a command article.

10. (Amended) The method of Claim 7, wherein said command is a command channel.

11. (Amended) A method for providing data to a user device comprising:

receiving a request from a user device generated by selection of a portlet identification object on said user device;

transferring said request to a portlet wherein said portlet retrieves data specified in said request over a network and further wherein said data has one format in a plurality of source data formats;

analyzing said request to determine a user data format that is supported by said user device;

selecting a presentation scheme to convert said data from said source data format to said user data format; and

converting said data from said source data format to said user data format using said presentation scheme.

12. (Amended) The method of Claim 11, wherein said selecting a presentation scheme comprises selecting an XSL-stylesheet.

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13. (Amended) The method of Claim 11, wherein said plurality of source data formats are MIME types.

14. (Amended) The method of Claim 11, wherein said user data format is specified by a MIME type.

15. (Amended) The method of Claim 11, wherein said receiving is performed by a web server.

16. (Amended) The method of Claim 11, wherein said transferring said request is performed by a portlet manager.

17. (Amended) The method of Claim 11, wherein said request includes a command.

18. (Amended) The method of Claim 17, wherein said command is selected from a group of commands consisting of load, save, article, and channel.

19. (Amended) The method of Claim 17, wherein said command is a command article.

20. (Amended) The method of Claim 17, wherein said command is a command channel.

21. A method for providing data to a user device comprising:

receiving a request from a user device generated by selection of a portlet identification object on the user device by a web server;

analyzing said request by said web server to determine whether said request is for content associated with a portlet;

transferring said request to a presentation manager upon determining that said request is for said content associated with a portlet;

passing said request to said portlet by said presentation manager wherein said portlet retrieves data specified in said request over a network and further wherein said data has a source MIME type;

analyzing said request to identify a user MIME type;

selecting a presentation scheme from a plurality of presentation schemes based upon said user MIME type and said source MIME type; and

converting said data from said source MIME type to said user MIME type using said presentation scheme.

22. (Amended) The method of Claim 21, wherein said selecting a presentation scheme comprises selecting an XSL-stylesheet.

23. (Amended) The method of Claim 21, wherein said request includes a command.

24. (Amended) The method of Claim 23, wherein said command is selected from a group of commands consisting of load, save, article, and channel.

25. (Amended) The method of Claim 21, wherein said command is a command article.

26. (Amended) The method of Claim 21, wherein said command is a command channel.

27. (Amended) A presentation manager server system comprising:

a web server;  
a presentation manager coupled to said web server;  
and  
at least one portlet coupled to said presentation manager.

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28. (Amended) The presentation manager server system of Claim 27, wherein said at least one portlet comprises a mail portlet.

29. (Amended) The presentation manager server system of Claim 27, wherein said at least one portlet comprises a resource description framework portlet.

30. (Amended) The presentation manager server system of Claim 27, wherein said at least one portlet comprises an internal network information portlet.

31. (Amended) The presentation manager server system of Claim 27, further comprising a storage medium having stored thereon a plurality of presentation schemes.

32. (Amended) The presentation manager server system of Claim 27, wherein said web server comprises a servlet container.

33. (Amended) The presentation manager server system of Claim 27, wherein said presentation manager comprises a servlet.

34. (Amended) The presentation manager server system of Claim 27, further comprising a plurality of user devices coupled to said web server.

35. (Amended) A computer program product having stored thereon computer instructions for a method comprising:

receiving a request from said user device for said data;

identifying presentation requirements of said user device; and

selecting a presentation scheme for said data from a plurality of presentation schemes in accordance with said presentation requirements wherein upon application of said presentation scheme to said data, new data presentable on said user device is generated.

36. (Amended) A computer program product having stored thereon computer instructions for a method comprising:

receiving a request from a user device generated by selection of a portlet identification object on said user device;

transferring said request to a portlet wherein said portlet retrieves data specified in said request over a network and further wherein said data has one format in a plurality of source data formats;

analyzing said request to determine a user data format that is supported by said user device;

selecting a presentation scheme to convert said data from said source data format to said user data format; and

converting said data from said source data format to said user data format using said presentation scheme.

37. A computer program product having stored thereon computer instructions for a method comprising:

receiving a request from a user device generated by selection of a portlet identification object on the user device by a web server;

analyzing said request by said web server to determine whether said request is for content associated with a portlet;

transferring said request to a presentation manager upon determining that said request is for said content associated with a portlet;

passing said request to said portlet by said presentation manager wherein said portlet retrieves data specified in said request over a network and further wherein said data has a source MIME type;

analyzing said request to identify a user MIME type;

selecting a presentation scheme from a plurality of presentation schemes based upon said user MIME type and said source MIME type; and

converting said data from said source MIME type to said user MIME type using said presentation scheme.

38. (New) The method of Claim 21, further comprising:

transmitting said data converted from said source MIME type to said user MIME type to said user device to allow the presentation of said data converted from said source MIME type to said user MIME type on said user device.

39. (New) The computer program product of Claim 36, the method further comprising:

transmitting said data converted from said source data format to said user data format to said user device to allow the presentation of said data converted from said source data format to said user data format on said user device.

40. (New) The computer program product of Claim 37, the method further comprising:

transmitting said data converted from said source MIME type to said user MIME type to said user device to allow the presentation of said data converted from said source MIME type to said user MIME type on said user device.

41. (New) A method for presenting data on a user device comprising:

receiving a request from a user device to retrieve content associated with a portlet identifier, said request generated by selection of said portlet identifier from a plurality of portlet identifiers displayed on said user device, each of said portlet identifiers representing a different portlet;

transferring said request to a portlet represented by said portlet identifier wherein said portlet retrieves said content over a network;

selecting a presentation scheme for said content;

applying said presentation scheme to said content to create presentable content; and

transmitting said presentable content to said user device.

42. (New) The method of Claim 41, wherein said selecting a presentation scheme for said content is in

accordance with said presentation requirements of said user device, and wherein said method further comprises:

identifying presentation requirements of said user device.

43. (New) The method of Claim 42, wherein said user device includes a user interface having an associated user device interface format, and

further wherein said content is not in said associated user device interface format.

44. (New) The method of Claim 41, wherein each of said portlet identifiers is associated with a specific source of content.

45. (New) A method for presenting data on a user device comprising:

receiving a first request from said user device to retrieve content, said request not being addressed to a specific portlet;

sending a list of available information sources to said user device, each of said available information sources on said list being associated with a specific portlet;

receiving a second request from said user device to retrieve content, said second request generated by selection of one of said available information sources on said list, said second request being to retrieve content associated with said specific portlet;

transferring said request to said specific portlet wherein said specific portlet retrieves said content;

selecting a presentation scheme for said content;

applying said presentation scheme to said content to create presentable content; and

transmitting said presentable content to said user device.

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46. (New) A method for presenting data on a user device comprising:

receiving a request from said user device for said data;

retrieving said data;

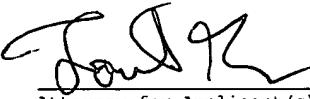
identifying presentation requirements of said user device;

selecting a presentation scheme for said data from a plurality of presentation schemes in accordance with said presentation requirements wherein upon application of said presentation scheme to said data, new data presentable on said user device is generated; and

applying said presentation scheme to said data to create said new data.

CERTIFICATE OF MAILING

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Attorney for Applicant(s)

May 9, 2003

Date of Signature